IN THE CLAIMS

Please amend the claims as follows:

- 1. (Currently Amended) A process for producing adamantane <u>having an APHA color</u> of 5 or lower_by isomerizing trimethylenenorbornane, the process comprising:
- (A) a reaction step of isomerizing a starting material trimethylenenorbornane to produce a resultant liquid reaction mixture comprising adamantane;
- (B) a concentration step of concentrating adamantane contained in the resultant liquid reaction mixture until the adamantane concentration is 10 to 50 mass%;
- (C) a crystallization step of precipitating the adamantane concentrated in the resultant liquid via crystallization at an operating temperature of about -20 to 50°C and finally at a temperature at which the solubility of adamantane is about 0.5 to 25 mass% to provide a slurry;
- (D) a solid-liquid separation step of separating adamantane crystals from the slurry resulting from the crystallization to provide isolated adamantane crystals wherein the degree of solid-liquid separation is such that a liquid content in a separated crystal cake is about 50 mass%;
- (E) a washing step of washing the isolated adamantane crystals isolated at a temperature of -20 to 50°C using a solvent having a boiling point of 150°C or lower; and
- (F) a drying step of drying the washed adamantane crystals at a pressure of 5 to 101 kPa and a temperature of 20 to 60°C,

characterized in that wherein a mass ratio of endo-trimethylenenorbornane to adamantane each contained in materials to be subjected to the crystallization step (C) (endo-trimethylenenorbornane/adamantane) is 0.25 or lower and wherein the washed adamantane crystals have an APHA color of 5 or lower.

- 2. (Currently Amended) A process for producing adamantane according to claim 1, wherein a solid catalyst is used in the reaction step of isomerizing the starting material trimethylenenorbornane.
- 3. (New) A process for producing adamantane according to claim 2, wherein the solid catalyst is a metal-carrying solid acid catalyst.
- 4. (New) A process for producing adamantane according to claim 2, wherein the solid catalyst comprises aluminum chloride.
- 5. (New) A process for producing adamantane according to claim 3, wherein the metal in the metal-carrying solid acid catalyst is selected from the group consisting of metals belonging to Groups 8 to 10 of the periodic table.
- 6. (New) A process for producing adamantane according to claim 3, wherein the metal in the metal-carrying solid acid catalyst is selected from the group consisting of iron, cobalt, nickel, ruthenium, rhodium, palladium, osmium, iridium, and platinum.
- 7. (New) A process for producing adamantane according to claim 1, wherein the (A) isomerization is conducted in a fixed bed continuous reactor which is filled with a catalyst and is continuously supplied with trimethylenenorbornane.
- 8. (New) A process for producing adamantane according to claim 1, wherein the (A) isomerization is conducted at a reaction temperature of about 150 to 500 °C and a pressure of normal pressure to about 20 MPa, optionally in the presence of hydrogen.
- 9. (New) A process for producing adamantane according to claim 1, wherein the (A) isomerization is conducted in the presence of at least one compound selected from the group consisting of a monocyclic, saturated hydrocarbon compound, an aromatic compound, water, and an alcohol.
- 10. (New) A process for producing adamantane according to claim 1, wherein the (A) isomerization is conducted in the presence of at least one compound selected from the group

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consisting of cyclopentane, cyclohexane, ethylcyclohexane, methylcyclohexane, benzene, toluene, xylene, naphthalene, anthracene, phenol, benzaldehyde, benzoic acid, benzyl alcohol, anisole, aniline, nitrobenzene, chlorbenzene, bromobenzene, methyl alcohol, isopropyl alcohol, tert-butyl alcohol, benzyl alcohol, ethylene glycol and glycerin.

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